

LEYH ET AL.

"Multi-Mode Communications Device With  
Continuous Mode ..."

Afty. Docket No. CS11235

Official

Appl. No. 10/027,650

Examiner T. Ewart

Art Unit 2684

5-22-03 7

5 1. (Once Amended) A wireless communications device,  
comprising:  
a first transceiver having a first receiver and a first transmitter;  
a first antenna coupled to the first receiver;  
a second transceiver having a second receiver and a second  
transmitter;  
a second antenna coupled to the second receiver,  
the first and second transmitters connectable to the same one of  
either of the first and second antennas.

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A/ 1007  
Cancel Claim 2.

15 3. (Once Amended) The wireless communications device of Claim  
1, the first and second transmitters disconnectable from the same one of the  
first and second antennas.

20 4. (Once Amended) The wireless communication device of Claim  
1, the first receiver is a CDMA receiver, the first transmitter is a CDMA  
transmitter, the second receiver is a TDMA receiver, the second transmitter is a  
TDMA transmitter.

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5. (Once Amended) The wireless communication device of Claim 1, the first antenna is an internal antenna, the first transmitter coupled to the second antenna, the second antenna is an external antenna.

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Sub B1  
6. (Once Amended) The wireless communication device of Claim 1, a switch coupling the first and second transmitters and the second receiver to the same one of the first and the second antennas.

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A/cont  
7. (Once Amended) The wireless communications device of Claim 1, a processor coupled to the first and second transceivers, a display and input/outputs coupled to the processor.

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Cancel Claim 8.

Cancel Claim 9.

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10. (Once Amended) A method in a wireless communications device having a first transceiver and a second transceiver, comprising:  
receiving an uncompressed CDMA signal with a first receiver of the first transceiver;

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receiving a second signal with a second receiver of the second transceiver at the same time the first receiver is receiving the uncompressed CDMA signal.

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11. (Once Amended) The method of Claim 10,

receiving the second signal with the second receiver operating in a non-continuous reception mode at the same time the first receiver is receiving the uncompressed CDMA signal.

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12. (Once Amended) The method of Claim 10,

the first receiver is CDMA receiver, the second receiver is a GSM receiver,

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receiving a downlink signal with the GSM receiver at the same time the CDMA receiver is receiving the uncompressed CDMA signal.

13. (Once Amended) The method of Claim 10,

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the first receiver is CDMA receiver, the second receiver is a TDMA receiver,

receiving a downlink signal with the TDMA receiver at the same time the CDMA receiver is receiving the uncompressed CDMA signal.

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14. (Once Amended) The method of Claim 10,

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receiving a second uncompressed downlink signal with the second receiver operating in a continuous reception mode at the same time the first receiver is receiving the uncompressed CDMA signal.

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Sub B  
15. (Once Amended) The method of Claim 10,  
the first receiver coupled to a first antenna,  
the second receiver coupled to a second antenna different than the first antenna,

A) 10  
the first transceiver includes a first transmitter, the second transceiver includes a second transmitter,  
connecting the first transmitter and the second transmitter to the same one of the first and second antennas.

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16. (Once Amended) A method in a wireless communications device having a first transceiver, the method comprising:

receiving a first signal with a first receiver of the first transceiver,  
the first receiver coupled to a first antenna;  
20 transmitting a second signal with a first transmitter of the first transceiver at the same time the first receiver is receiving the first signal,  
the first transmitter coupled to a second antenna different than the first antenna.

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17. (Once Amended) The method of Claim 16, receiving the first signal with the first receiver includes receiving an uncompressed CDMA downlink signal.

Cancel Claim 18.

Cancel Claim 19.

20. (Once Amended) A method in a wireless communications device having a first transceiver and a second transceiver, comprising:

transmitting a first signal with a first transmitter of the first transceiver operating in a continuous transmission mode,

the first transmitter coupled to a first antenna;

receiving a second signal with a second receiver of the second transceiver at the same time the first transmitter is transmitting the first signal,

the second receiver coupled to a second antenna different than the first antenna.

21. (Not Amended) The method of Claim 20,

the first transmitter is CDMA transmitter, the second receiver is a TDMA receiver,

transmitting an uplink signal with the CDMA transmitter;

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receiving the second signal with the TDMA receiver at the same  
time the CDMA transmitter is transmitting the uplink signal.

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22. (Not Amended) The method of Claim 20,

transmitting an uncompressed uplink signal with a first  
transmitter operating in a continuous transmit mode;

receiving the second signal with the second receiver at the same  
time the first transmitter is transmitting the uncompressed uplink first signal.

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23. (Once Amended) The method of Claim 20,

the first transmitter is CDMA transmitter, the second receiver is a  
TDMA receiver,

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transmitting an uncompressed uplink signal with the CDMA  
transmitter;

receiving the second signal with the TDMA receiver at the same  
time the CDMA transmitter is transmitting the uncompressed uplink signal.

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[Add the following New Claims:]

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24. (New) A method in a wireless communications device having  
a first transceiver and a second transceiver, the method comprising:

transmitting with a first transmitter of the first transceiver;

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transmitting with a second transmitter of the second transceiver at  
the same time that the first transmitter is transmitting;

receiving with one of a first receiver of the first transceiver and a  
second receiver of the second transceiver at the same time the first and second  
transmitters are transmitting.

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25. (New) The method of Claim 24, receiving includes receiving an  
uncompressed continuous signal.

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26. (New) A method in a wireless communications device having  
a first transceiver and a second transceiver, the method comprising:

receiving with a first receiver of the first transceiver;

receiving with a second receiver of the second transceiver at the  
same time that the first receiver is receiving;

transmitting with one of a first transmitter of the first transceiver  
and a second transmitter of the second transceiver at the same time the first  
and second receivers are receiving.

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27. (New) The method of Claim 26, receiving includes receiving an  
uncompressed continuous signal.